



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Dexter R. Matthews

Director

Beverly Eaves Perdue
Governor

Dee Freeman
Secretary

April 11, 2011

Mr. Kent Coble
Coble's Sandrock
5833 Foster Store Road
Liberty, NC 27982

Re: Alternate Source Demonstration – Cobalt
Coble's Sandrock Construction and Demolition Debris Landfill, Permit #01-05

Dear Mr. Coble,

During the October 2010 and subsequent December 2010 re-sampling event at the Coble's Sandrock CDLF, cobalt was reported at a concentration exceeding the North Carolina Groundwater Protection Standard and calculated background level in the groundwater sample collected from MW-7. In response, an alternate source demonstration (ASD) was submitted in an effort to prove that the landfill is not causing elevated cobalt concentrations.

The Solid Waste Section has reviewed the *Alternate Source Demonstration-Cobalt* prepared by Joyce Engineering, Inc. (JEI) in which lines of evidence based on historical site conditions were presented to conclude that the landfill is not causing elevated contaminant concentrations. JEI also collected soil samples near MW-7, upgradient of the landfill, and within the well casing. Laboratory analytical data indicated the presence of cobalt in soil samples collected upgradient of the landfill and within the well casing. Dissolved cobalt was also detected in groundwater samples collected from MW-7 in December 2010 and January 2011.

Based on the evidence presented, the Solid Waste Section approves the ASD. Coble's Sandrock is permitted to continue detection monitoring and future elevated cobalt concentrations will not require an ASD submittal.

Please contact me at 919-508-8516 or email at ervin.lane@ncdenr.gov if you have any questions or concerns regarding this correspondence. Thank you in advance for your anticipated cooperation in this matter.

Sincerely,

Ervin Lane
Compliance Hydrogeologist
Solid Waste Section

Cc: Jeremy J. Kerly, P.G., Joyce Engineering, Inc.
Mark Poindexter, Field Operations Branch Head
Jason Watkins, Central District Supervisor
Chris Marriot, Environmental Senior Specialist